



TECHNICAL BULLETIN

TAYCHEM 50E

Concentrated Silicone, Jet-Stable Antifoam Emulsion

Description:

TayChem 50E is a premier, jet-stable, "free-rinsing," silicone defoamer emulsion concentrate formulated to permit the user flexibility and economics in use that is effective in a wide range of textile applications. This product is based on a high molecular weight polysiloxane and silica technology. It is safe to use in high-alkaline and high-temperature textile applications and has excellent foam knockdown.

Applications:

TayChem 50E has proven ideal for tackling foam in textile auxiliaries and processes {such as dyeing} and incorporation into surfactant formulations. The versatility of this product as a processing auxiliary is valued throughout the Chemical Industry. This product is recommended for foam control in bleach and scour baths, in beck-, jet-, or package- dyeing, and in finish formulations.

Dilution Procedure:

5% Actives:	
Thickener Premix {To viscosity of 300-500 centistokes. Cellulose or Kelzan is recommended.}	44.00%
TayChem 50E	10.00%
Water	46.00%

Procedure:	
1.	Charge the thickener premix {enough thickener should be used to reach a minimum viscosity of 300 centistokes for optimum stability}.
2.	Slowly charge the TayChem 50E while mixing on slow without any shearing. Propeller mixer is adequate.
3.	Charge the water. Let mix for ten {10} minutes. Avoid over-mixing.

Typical Properties:

Property	Characteristic
Appearance	Milky- White Liquid
Solids Content {%	Ca. 50
pH Value	Ca. 8.0
Ionic Character	Nonionic
Note: These figures are intended as a guide and should not be used in preparing specifications.	

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Storage Stability:

TayChem 50E has a shelf life of at least six months from date of delivery note if stored in tightly-closed containers at temperatures not exceeding 25°C and protected against freezing. Continued storage beyond the designated shelf life does not necessarily mean that the material cannot be used. However, renewed testing of the most important properties is imperative.

Safety Instructions:

Comprehensive instructions are given in the corresponding Material Safety Data Sheet. This information is available upon request from TayChem Industries, Ltd.

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